DEFENSE INFORMATION SYSTEMS AGENCY
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IN REPLY REFER TO: Joint Interoperability Test Command (JTE) **12 Mar 12**

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the Veramark VeraSMART™ with Software Release 8.1

References: (a) DOD Directive 4630.5, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004
(b) CJCSI 6212.01C, "Interoperability and Supportability of Information Technology and National Security Systems," 8 March 2006
(c) through (f), see Enclosure 1

1. References (a) and (b) establish the Defense Information Systems Agency (DISA), Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.

2. The Veramark VeraSMART™ with Software Release 8.1, was originally certified for joint use in the Defense Information System Network as a Customer Premises Equipment (CPE) telecommunications management system as set forth in Reference (c). The vendor submitted a Desktop Review (DTR) to close Information Assurance (IA) findings based on vendor-delivered Plan of Action and Milestone (POA&M) for the SUT. The JITC Global Information Grid Network Test Facility (GNTF), Fort Huachuca, Arizona conducted testing using product requirements derived from the Unified Capabilities Requirements (UCR), Reference (d), and test procedures, Reference (e). The JITC will verify the SUT's certification status during operational deployment. Any new discrepancy noted in the operational environment will be evaluated for impact on the existing certification. These discrepancies will be adjudicated to the satisfaction of DISA via vendor-delivered POA&Ms that address all new critical discrepancies within 120 days of identification. The JITC does not certify any other configurations, features, or functions, except those cited in this memorandum, or authorized by the Program Management Office. This certification extension expires upon changes that affect interoperability, but no later than three years from the date of the Defense IA/Security Accreditation Working Group (DSAWG) accreditation 19 August 2010.

3. The extension of this certification is based on Desktop Review (DTR) 1. The original certification is based on interoperability testing conducted by JITC, DISA adjudication of open test discrepancy reports, review of the vendor's Letters of Compliance (LoC), and DISA CA recommendation. Interoperability testing was conducted by JITC at the Global Information Grid Network Test Facility, Fort Huachuca, Arizona from 12 through 16 October 2009. DISA CA provided a positive recommendation on 19 Aug 2010 based on the security testing completed by

the DISA-led IA test team and published in a separate report, Reference (g). This DTR was submitted to replace the Asentria Teleboss Pollable Storage Unit, Version 120.6.1.23 with the Asentria TeleBoss 850 Telecom Site Controller (T850) with Software Release 2.06.560_JTC01 which has been previously tested and certified by JITC, References (h) and (i). In reviewing this request, JITC analysis determined the Asentria Teleboss units provided the same functionality. Since the Asentria TeleBoss 850 Telecom Site Controller (T850) with Software Release 2.06.560_JTC01 was recently certified with a different product, there is low risk in using it as part of the SUT. The DISA CA has reviewed the IA Assessment Report for the SUT and approved the Information Assurance posture of the SUT in this DTR on 19 Jan 2012. Therefore, JITC approves this DTR.

4. The SUT is certified with all software versions of the digital switching systems depicted in Table 1 which are on the Unified Capabilities (UC) Approved Products List (APL). Table 2 lists the interfaces, Capability Requirements (CR), Functional Requirements (FR), and component status of the SUT. The threshold Capability/Functional requirements for a CPE were established by Section 5.2.8 of Reference (d) and were used to evaluate the interoperability of the SUT.

Table 1. SUT Certified Switching System Configurations

Switch Name (See Note)	Network Management Functions	Interface
Nortel CS2100	Automated Message Accounting	EIA-232 Serial Asynchronous
Nortel CS1000M, CS1000M-SG, Succession DSN M1 Option 61C, and Succession DSN M1 Option 81C	Automated Message Accounting	EIA-232 Serial Asynchronous
CS-1000E, CS1000M-Cabinet, CS1000M-Chassis, Succession DSN M1 Option 11C Cabinet, and Succession DSN M1 Option 11C chassis	Automated Message Accounting	EIA-232 Serial Asynchronous
Alcatel-Lucent 5ESS, CDX	Automated Message Accounting	EIA-232 Serial Asynchronous
Cisco CallManager/Communication Manager	Automated Message Accounting	IEEE 802.3u Ethernet
Avaya S8720, S8710, S8700	Automated Message Accounting	IEEE 802.3u Ethernet

NOTE:
The SUT is certified with all software versions of these digital switching systems which are listed on the UC APL with one exception. The SUT is certified with the Nortel CS2100 TDM only.

LEGEND:

5ESS	Class 5 Electronic Switching System	EIA-232	Standard for defining the mechanical and electrical characteristics for connecting DTE and DCE data communications devices
802.3u	Standard for carrier sense multiple access with collision detection at 100 Mbps	IEEE	Institute of Electrical and Electronics Engineers
APL	Approved Products List	M1	Meridian 1
CS	Communication Server	SG	Single Group
CDX	Compact Digital Exchange	SUT	System Under Test
DSN	Defense Switched Network	TDM	Time Division Multiplexing
EIA	Electronic Industries Alliance	UC	Unified Capabilities

Table 2. SUT Functional Requirements and Interoperability Status

Interface	Critical	Certified	Functional Requirements	Status	UCR Reference
Serial EIA-232	No[1]	Yes	In accordance with EIA-232 (C)	Met	5.2.8.1
			Automated Message Accounting (C)	Met	5.2.8.5
IEEE 802.3u Ethernet	No[1]	Yes	In Accordance with IEEE 802.3u (C)	Met[2]	5.2.8.1
			Automated Message Accounting (C)	Met	5.2.8.5
			IPv6 (C)	Not Met[3]	5.3.5
	Yes	Yes	Security (R)	See note 4.	Section 3

NOTES:
1 The SUT is a CPE device that provides network monitoring functions. Therefore, the SUT interfaces are based on the UCR, section 5.2.8.1. The Network Management interoperability requirement can be met with any of the following interfaces: Ethernet, asynchronous serial, or synchronous serial. The functional requirements are based on the UCR, section 5.2.8.
2 In accordance with the UCR, Table 5.4.1-3, OAM IP packets shall be tagged with a DSCP value of 16 to 23. The SUT tagged the OAM packets at 0 which does not meet this requirement. However, this discrepancy was reviewed by DISA and was adjudicated as having a minor operational impact.
3 IPv6 is not supported by the SUT. In accordance with the Interim Unified Capabilities (UC) IPv6 Rules of Engagement (ROE) signed by the Office of the Secretary of Defense on 31 July 2009, IPv6 is not required for a Customer Premises Equipment Telecommunications Management System. There is no risk associated with the SUT not supporting this requirement.
4 Security is tested by DISA-led Information Assurance test teams and published in a separate report, Reference (f).

LEGEND:

802.3u	Standard for carrier sense multiple access with collision detection at 100 Mbps	IEEE	Institute of Electrical and Electronics Engineers
C	Conditional	IP	Internet Protocol
CPE	Customer Premises Equipment	IPv6	Internet Protocol version 6
DISA	Defense Information Systems Agency	OAM	Operational Administration and Maintenance
DSCP	Differentiated Services Code Point	R	Required
EIA	Electronic Industries Alliance	SUT	System Under Test
EIA-232	Standard for defining the mechanical and electrical characteristics for connecting DTE and DCE data communications devices	UCR	Unified Capabilities Requirements

5. No detailed test report was developed in accordance with the Program Manager's request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/gov users on the NIPRNet at https://stp.fhu.disa.mil. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at http://jit.fhu.disa.mil (NIPRNet), or http://199.208.204.125 (SIPRNet). Information related to DSN testing is on the Telecom Switched Services Interoperability (TSSI) website at http://jitc.fhu.disa.mil/tssi. Due to the sensitivity of the information, the Information Assurance Accreditation Package (IAAP) that contains the approved configuration and deployment guide must be requested directly through government civilian or uniformed military personnel from the Unified Capabilities Certification Office (UCCO), e-mail: ucco@disa.mil.

6. The JITC point of contact is Ms. Anita Mananquil, DSN 879-5164, commercial (520) 538-5164, FAX DSN 879-4347, or e-mail to anita.mananquil@disa.mil. JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The tracking number for the SUT is 0910401.

FOR THE COMMANDER:

1 Enclosure a/s

for BRADLEY A. CLARK
Chief
Battlespace Communications Portfolio

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Veramark VeraSMART™ with Software Release 8.1

Distribution (electronic mail):
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ADDITIONAL REFERENCES

(c) Joint Interoperability Test Command, Memo, "Special Interoperability Test Certification of the Veramark VeraSMART™ with Software Release 8.1," 19 August 2011
(d) Office of the Assistant Secretary of Defense, "Department of Defense Unified Capabilities Requirements 2008," 22 January 2009
(e) Joint Interoperability Test Command, "Defense Switched Network Generic Switch Test Plan (GSTP) Change 2," 2 October 2006
(f) Joint Interoperability Test Command, Memo, "Special Interoperability Test Certification of the Veramark VeraSMART™ with Software Release 8.1," 19 Aug 10
(g) Joint Interoperability Test Command, Memo, "Information Assurance (IA) Assessment of Veramark VeraSMART™ with Software Release 8.1 (Tracking Number 0910401)," 19 August 2010
(h) Joint Interoperability Test Command, Memo, "Special Interoperability Test Certification of Asentria® TeleBossTM 850 Telecom Site Controller (T850) with Software Release 2.06.230_JTC01," 10 May 11
(i) Joint Interoperability Test Command, Memo, "Extension of Special Interoperability Test Certification of Asentria® TeleBossTM 850 Telecom Site Controller (T850) with Software Release 2.06.230_JTC01," 21 Jul 11